FIG. 1

```
Root
 │
 └── BD
      │
      ├── PLAYLIST ─── 01001.mpls
      │                02002.mpls
      │
      ├── CLIPINF ──── 01001.clpi
      │                02000.clpi
      │                03000.clpi
      │
      └── STREAM ───── 01001.m2ts
                       02000.m2ts
                       03000.m2ts
```

FIG. 2

Disc Volume

File System Information Area

Database Area

AV Stream Area

General Files
& PlayList
Information
Area (*.mpls)

Clip Information
Area (*.clpi)

AV Stream for Title #1	AV Stream for Title #2	AV Stream for Title #3

AV stream data
(*.m2ts)

FIG. 3

Still mark #1

Still mark #2

Still mark #3

Still mark #4

PlayList

Clip AV Stream

A/V or Audio only

Picture Data

FIG. 4

```
PlayListMark(){
      length
      number_of_PlayList_marks
      for(i=0; j<number_of_PlayList_marks;j++){
            - - - - -
            mark_type
            - - - - -
            mark_time_stamp


            - - -


            duration
            makers_information
            maker_name
            }
}
```
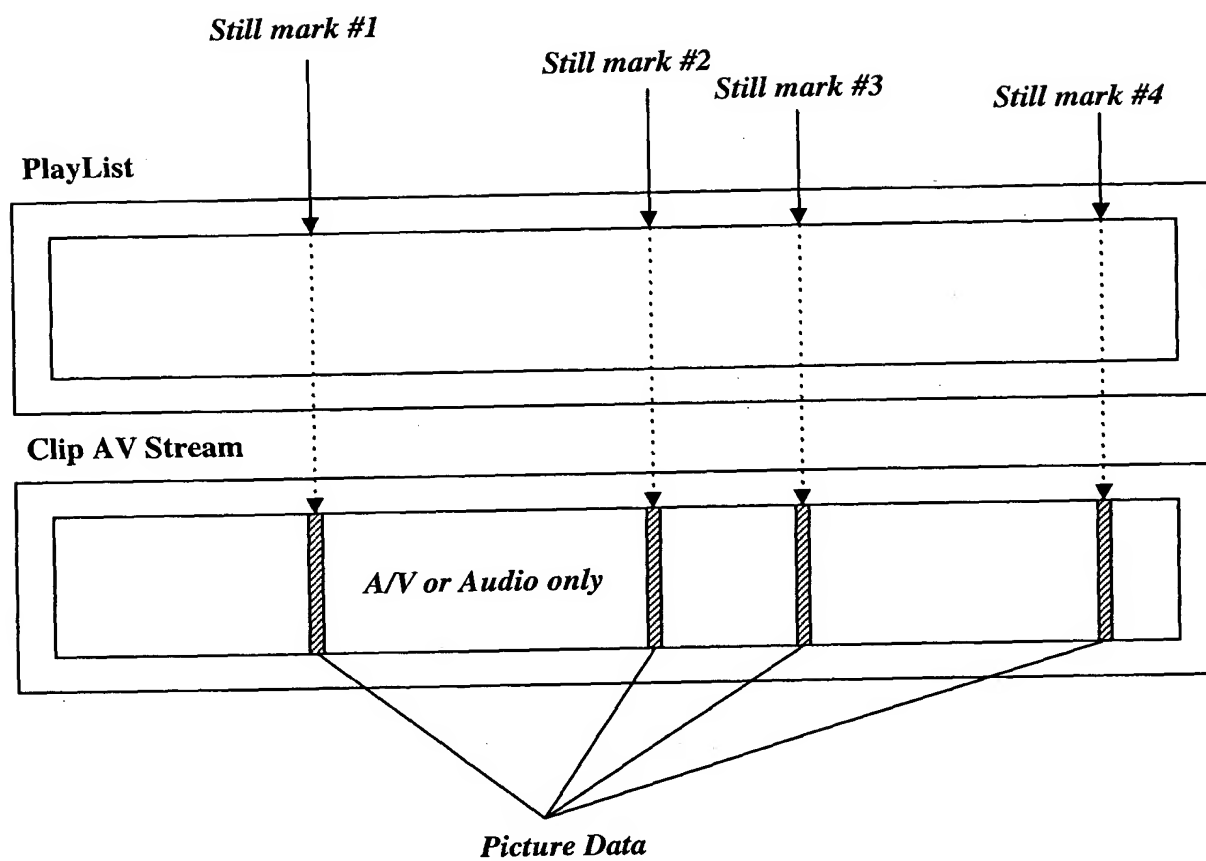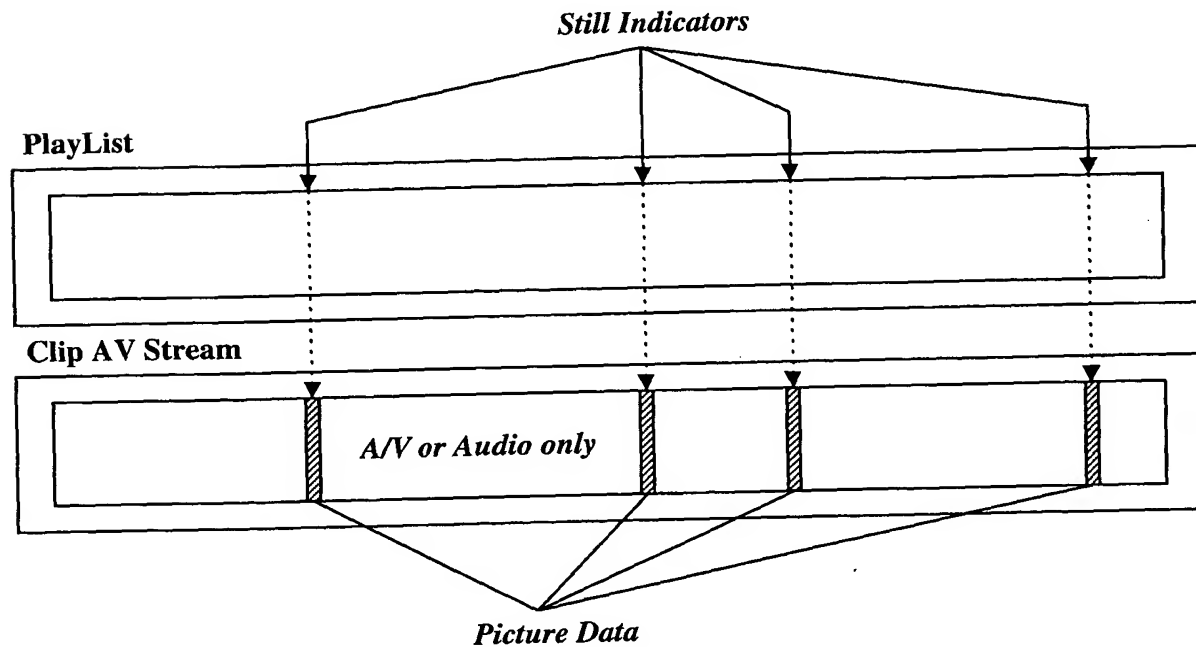
FIG. 5

Still Indicators

PlayList

Clip AV Stream

A/V or Audio only

Picture Data

FIG. 6

```
PlayList_File(){
    - - - - -
    version_number
    - - - - -
    PlayList()
    PlayListMark()
    MakersPrivateData()
    PlayListStillIndicator()
    }
```

```
PlayListStillIndicator()
    length
    number_of_PlayList_stills
    for(still_id=0; still_id<number_of_PlayList_Still;still_id++){
        - - - - -
        still_time_stamp
        duration
        }
    }
}
```

FIG. 7A

PlayList

| PlayItem #1 | Still PlayItem #2 | PlayItem #3 | Still PlayItem #4 | . . . . |

A/V or Audio only

Clip AV Stream

Picture Data

FIG. 7B

Pointed by Navigation Information

PlayList

| PlayItem #1 | Still PlayItem #2 | PlayItem #3 | Still PlayItem #4 |

Clip AV Stream

A/V or Audio only

Still Images

FIG. 8A

```
PlayItem(){
    length
    Clip_Information_file_name
    Clip_codec_identifier
    if (CPI_type = 1)
        ref_to_STC_id
                .
                .
                .
    IN_time
    Duration(Out_time)
                .
                .
                .

    }
}
```
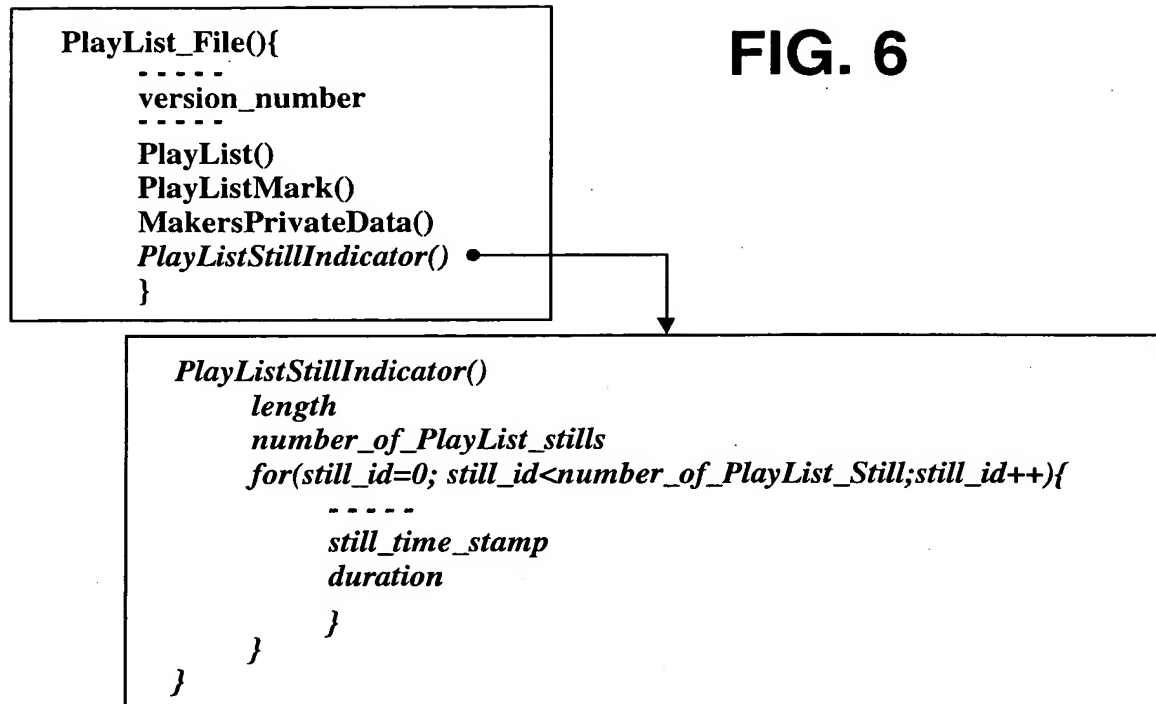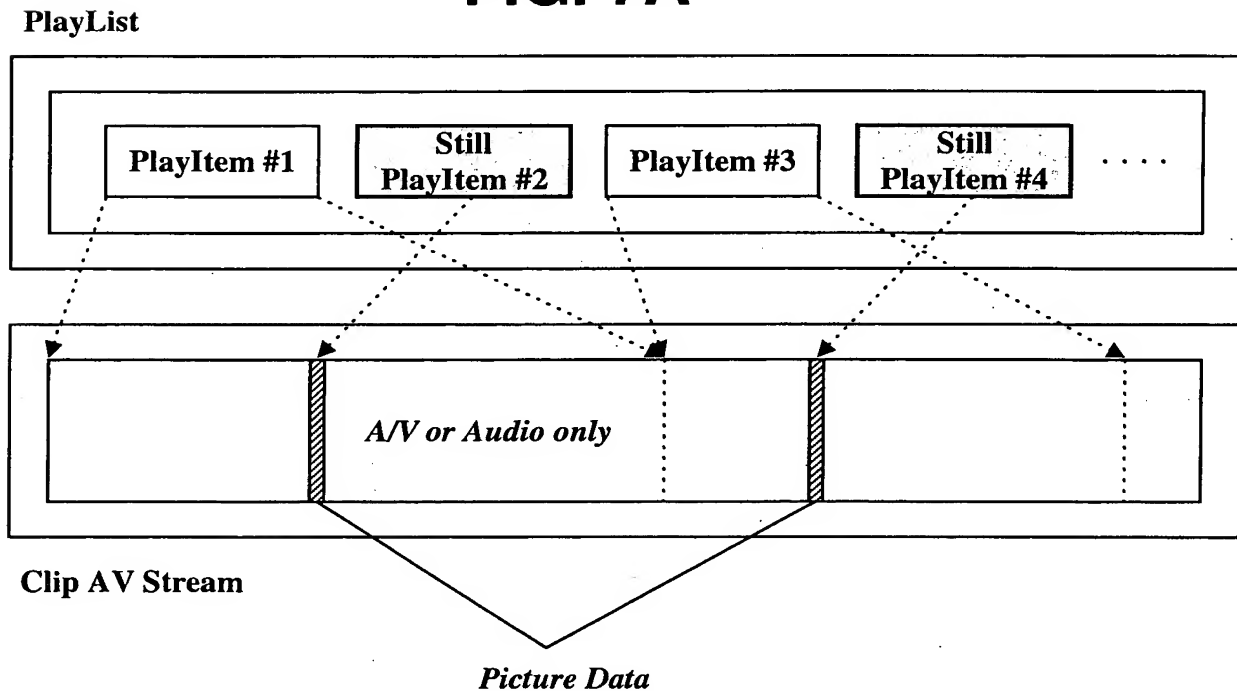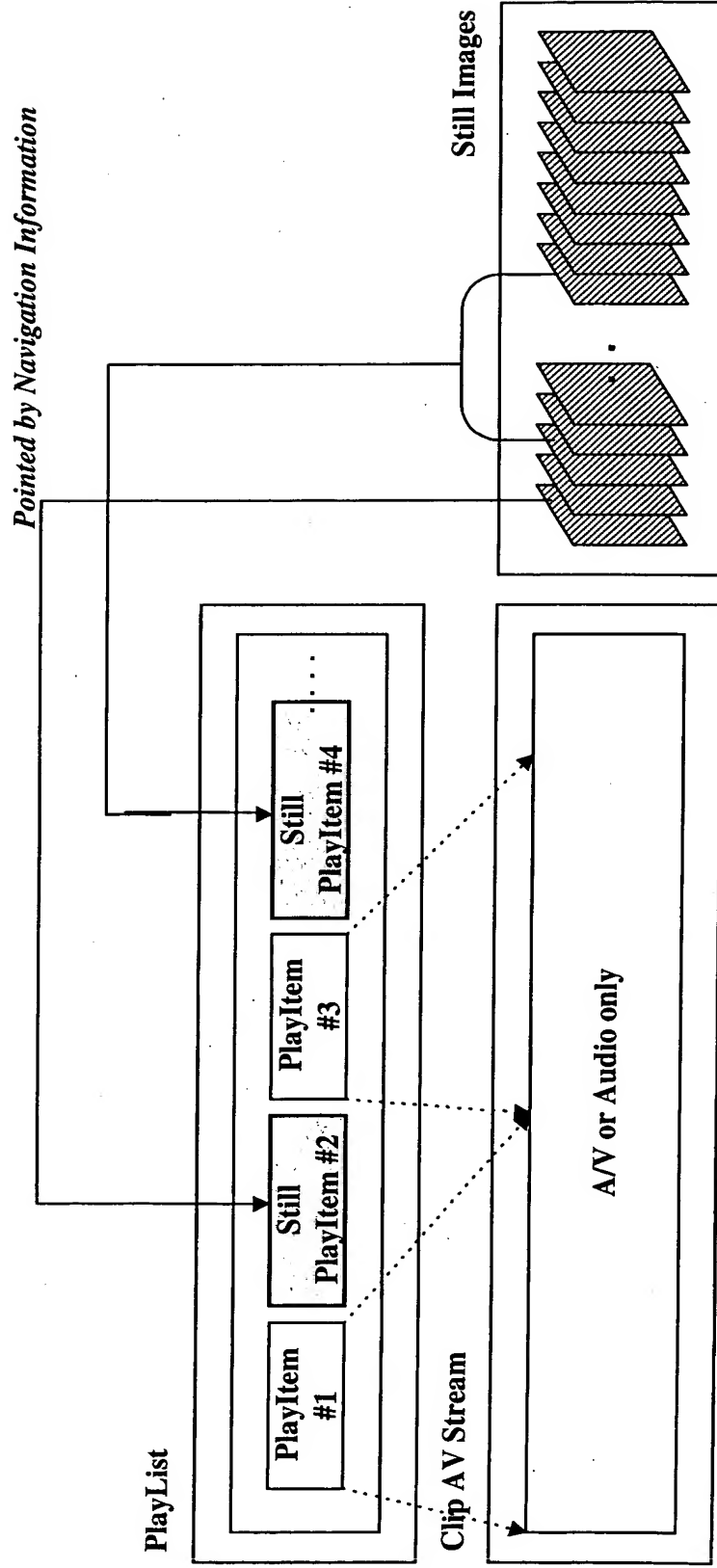
FIG. 8B

```
PlayItem(){
    length
    Clip_Information_file_name
    Clip_codec_identifier
    if (CPI_type = 1)
        ref_to_STC_id

                .
                .
                .
    IN_time
    Out_time
                .
                .
                .
    }
    if (<Still-Image>) {
        number_of_still_images
        for (i=0; i<number_of_still_images; i++){
            duration
            display_timing_mode
            display_order_mode
            display_effect_mode
            display_effect_period

        }
    }
}
```

FIG. 9

PlayList

SubPlayItem #1   SubPlayItem #2

PlayItem #1   PlayItem #2   ...

A/V or Audio only

Clip AV Stream

Picture Data
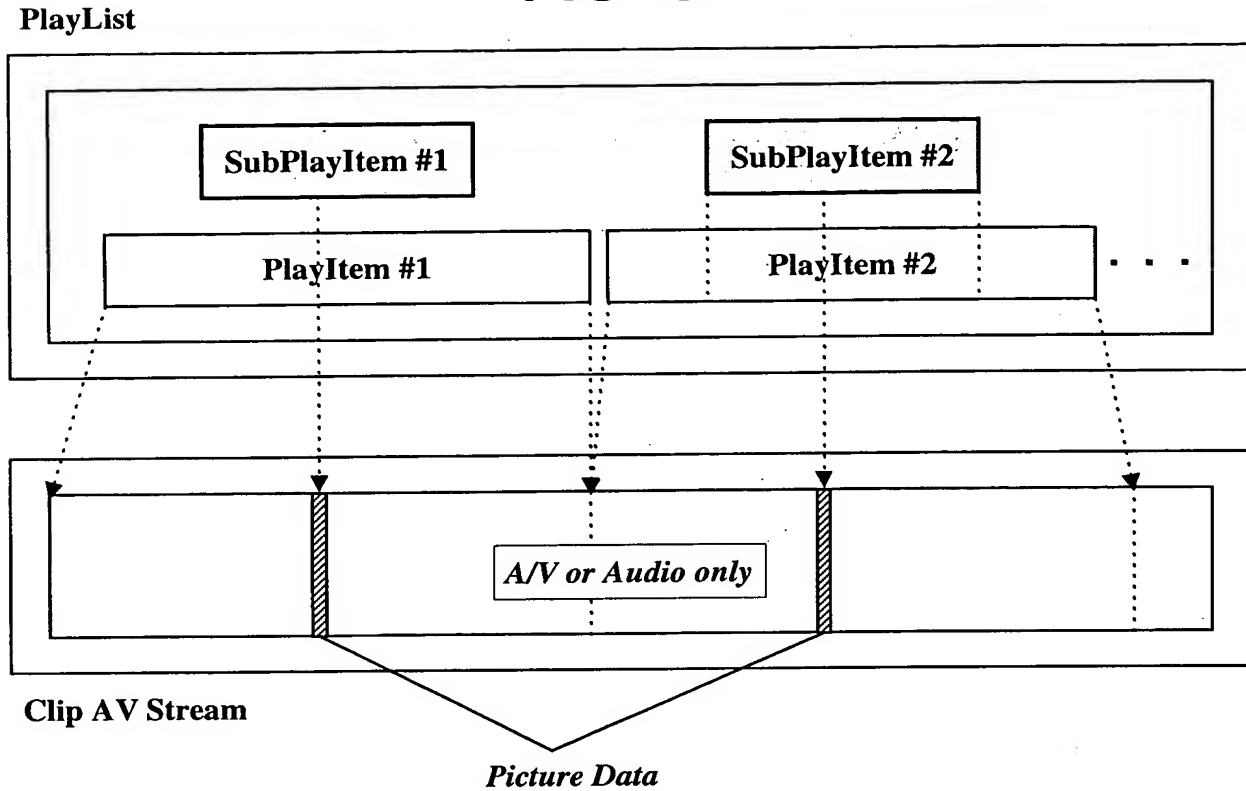
FIG. 10

```
SubPlayItem(){
    length
    Clip_Information_file_name
    Clip_codec_identifier
    SubPlayItem_type
    ref_to_STC_id
    SubPlayItem_IN_time
    Duration(SubPlayItem_Out_time)
    sync_PlayItem_id
    Sync_start_PTS_of_PlayItem

}
```
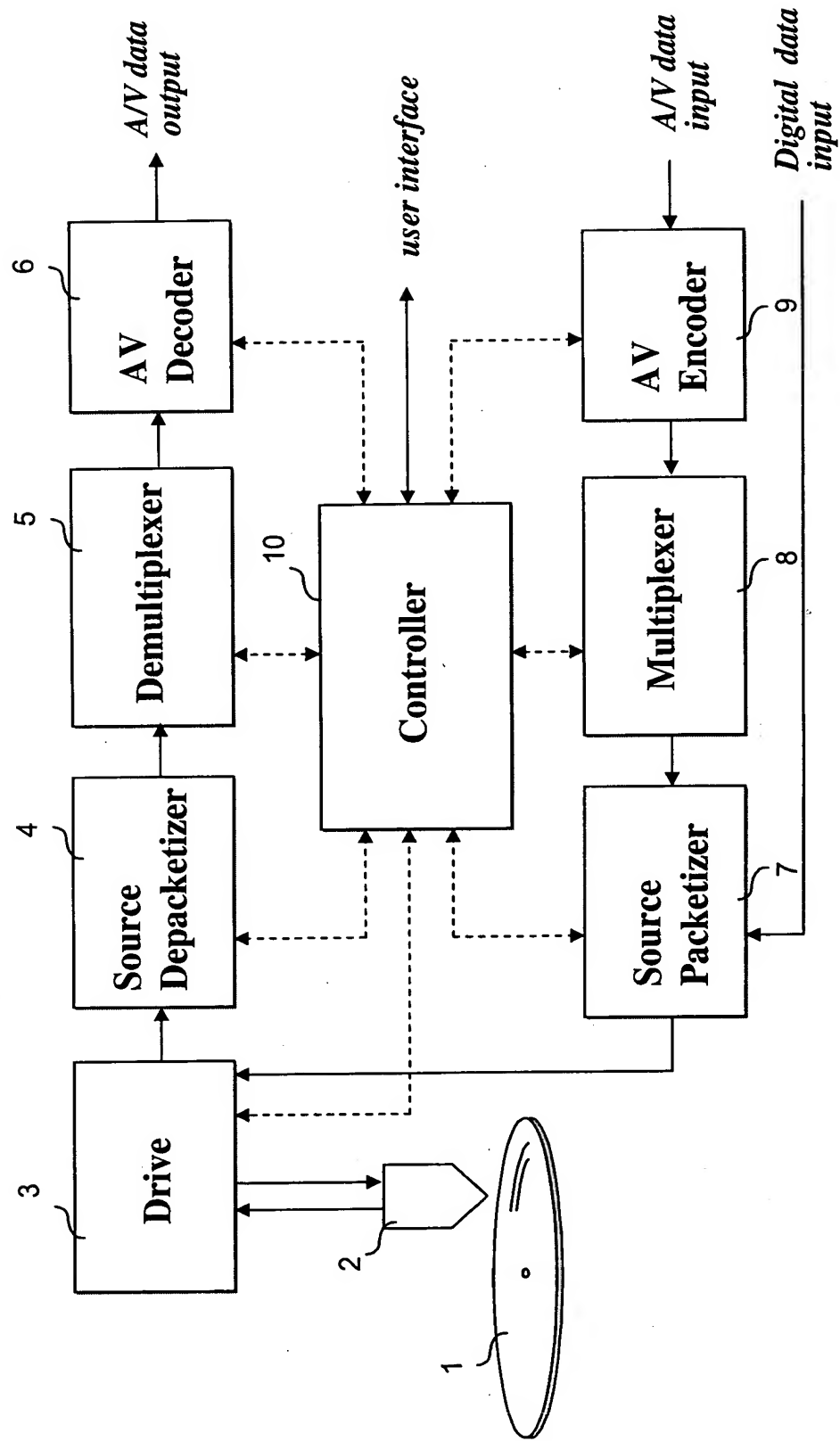
FIG. 11

A/V data
output

AV
Decoder — 6

Demultiplexer — 5

Source
Depacketizer — 4

Drive — 3

2

1

user interface

Controller — 10

AV
Encoder — 9

A/V data
input

Multiplexer — 8

Source
Packetizer — 7

Digital data
input

FIG. 12

Still Display Positions

Clip A/V Stream

A/V or Audio only

Source Packet
(Still Information Packet)
(192B)

TP Extra Header (4B)	MPEG 2 TP Packet (188B)

Header	Payload (Still Information)

```
Still_Information(){
        still_start_end_flag
        image_info
        display_info
}
```